

UNPUBLISHED PRELIMINARY DATA

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Regents of The University of California
University of California, San Diego
Revelle College
La Jolla, California

N65-83732

Department of Chemistry

Semi-Annual Report on Research Carried
Out Under Grant No. NASA NsG - 322

To

THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

For the Period September 15, 1964 to September 15, 1965

During the period September 15, 1964 to March 15, 1965 a paper entitled Chemical Evidence Bearing on the Origin of the Solar System was completed by the principal investigator and is now in press (Annual Review of Astronomy and Astrophysics, Vol. 3, 1965).

On November 9, 1964, twenty-five copies of the following previous publications were submitted:

- (1) The Urey-Craig Groups of Chondrites and their States of Oxidation.
- (2) Remarks Concerning the Chemical Composition of the Atmosphere of Venus.
- (3) On Element Synthesis and the Interpretation of the Abundances of Heavy Nuclides.
- (4) On the Origin of Gas-Rich Meteorites.

Reprints of the following publications of L. Paul Greenland, who is participating in work under this grant, will be forwarded to you as soon as they become available. Preprints of these papers were sent with our report of November 9, 1964:

- (1) The Variation of Iron and Manganese in Tektites.
- (2) Fractionation of Fluorine, Chlorine, and Other Trace Elements During Differentiation of a Tholeiitic Magma.

These listed publications and those submitted previously reflect research and acknowledge support under the grant and are submitted in lieu of a report required under the terms of the above grant.

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Hans Suess

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